

ECXI-53/533/5D33



Transmit single/double channel thermal resistance signals in the hazardous area by isolating and transmitting output single/double current or voltage signals to non-hazardous area. It can be connected to a connection network in non-hazardous area via communication interface. It is an intelligent product with online self-diagnosis function. Customer may set the type of the input signal and range of output with a specific handheld programmer.

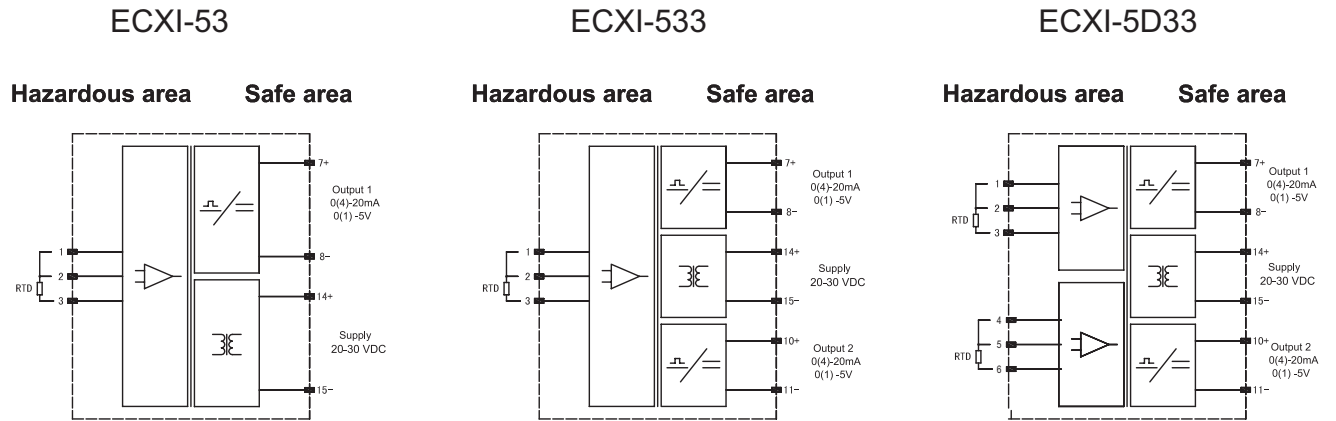
- Temperature measurement amplifier with assembly and disassembly terminal
- Intrinsically safe input loop EEx ia with wire breakage monitoring function
- Applied area according to ATEX: II 11) GD
- 2/3-wire system thermal resistance input
- Adjustable output analogue at input failure
- Current output 4...20mA
- Alarm function only for single input product (ECXI-53A)

Main Technical Parameter:

	ECXI-53	ECXI-533	ECXI-5D33
Explosion protection mark:	[EEx ia] IIC IIB	[EEx ia] IIC IIB	[EEx ia] IIC IIB
Current channel:	Single input-single outputs	Single input-double output	Double input-double output
Transmission precision:	±0.1 %F•S (25℃)	±0.1 %F•S (25℃)	±0.1 %F•S (25℃)
Temperature draft:	<50ppm/℃	<50ppm/℃	<50ppm/℃
Allowable input signal for hazardous area:	Pt100, Cu100, Cu50, BA2, BA1, G	Pt100, Cu100, Cu50, BA2, BA1, G	Pt100, Cu100, Cu50, BA2, BA1, G
2-,3-wire system RTD:	0-400Ω	0-400Ω	0-400Ω
Linear resistance:			
Model, type and span specified at order:			
Output signal to safe area:			
Direct current:	4~20mA		
Transmission precision of resistive output:	Output resistor error < 0.1Ω at excitation current 1-5mA Output resistor error < 0.15Ω at excitation current 0.5-1 mA Output resistor error < 0.45Ω at excitation current 0.2-0.5mA Output precision drops along with current decrease at excitation current < 0.2mA		
Alarm relay output:			
On-off response time:	<20mS	<20mS	<20mS
Allowable(resistive)load:	AC125V 0.5A; DC25V 1A	AC125V 0.5A; DC25V 1A	AC125V 0.5A; DC25V 1A
Analogue output load capacity:	4-20mA: 0-300Ω	4-20mA: 0-300Ω	4-20mA: 0-300Ω
Power consumption (At 24VDC power supply):	0.5W	0.8W	1.3W
Panel indicator:	Power indicator PWR constantly lights at normal meter work. Indicator ALM flickers or constantly lights at failure alarm of input signal.		

Temperature transmitter

Wiring diagram :



Mechanical drawing:

